FIG. 1

ADDRESS						ххуу								
REG-ID						r30	Ψ							
TYPE						int								110
VALID TYPE						1		,						
#	n	n-1	n-2	n-3	n-4	n-5	n-6	n-7	•	• •	2	1	0	

Id.a r30 <- [r20]

AL/

ld.a r30 <- [r20]

															1
ADDRESS			:	i		xxyy	\forall								
		 									-				210
유						0	_								
REG-ID						r30				· -					5
							-								220
VALID TYPE						in									
						0									
_₹															
#	ح	n-1	n-2	n-3	n-4	n-5	9-u	1-u	•	•	,	2	-	0	

id.c r30 <- [r20]

FIG. 2

ALAT

ADDRESS											XXZZ			
REG-ID											rp60	Ψ		
VALID TYPE											int			310~
WALID											1			
#	_	n-1	n-2	n-3	n-4	g-u	9-u	1-u	•	•	2	1	0	

Id.c r30 <- [r20]

DECODE

Id.a r30 <- [r20]

ld.a r30 <- [r20]

FIG. 3

ld.con rp80 <- rp50],rp60

REGISTER RENAME

ld.a rp60 <- [rp50]

ld.c r30 <- [r20], r30

	ADDRESS					ххуу	\forall								410
	REG-ID					0£1	Ψ								
ALAT	VALID TYPE					int									420
	VALID					0									
	#		n-1	n-2	n-3	n-4	n-5	9-u	1-u	•	• •	2	—	0	
	14 2 r30 < [r.20]	id.a i 50 <- [120] add r10 <- r30, r15	sub r35 <- r30, r15	st [r80] <- r45	chk.a r30 (r30 destination)										FIG. 4

PE REG-ID ADDRESS							rp60 xxzz	(520
VALID TYPE							int							
 \A							0							
#	٦	n-1	n-2	n-3	n-4	9-u	9-u	1-u	• •	•	2	_	0	
14 0 r 20 / [r 20]	iu.a i 30 <- [120] sub r35 <- r30, r15	st [r80] <- r45	chk.a r30	UDECODE↓ (r30 destination)	ld 2 r30 <- [r20]	sub r35 <- r30, r15	st [r80] <- r45	chk.a r30 (r30 source)	↓ REGISTER RENAME ↓	•	ld.a rp60 <- [rp50]	sub rpbs <- rpbu, rpzs st [rn85] <- rn55	chk.a rp60 (rp60 source)	

FIG. 5

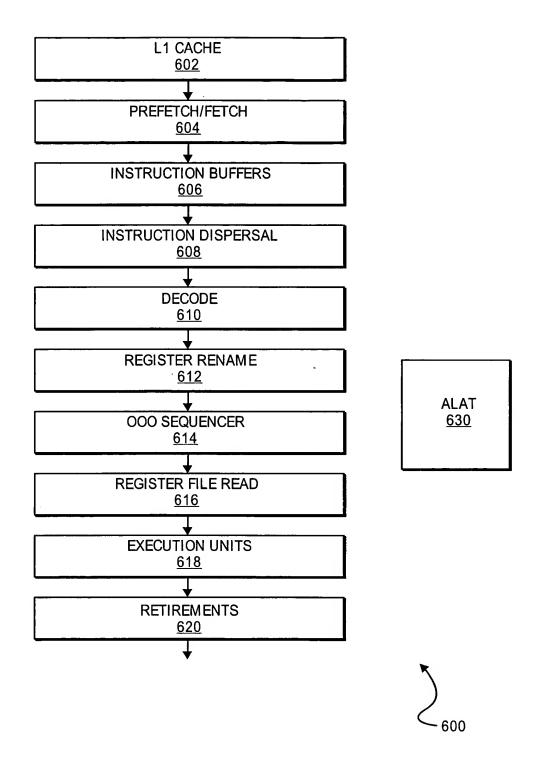


FIG. 6

